

**TOP SECRET****PRIORITY**

OUT64132

1968 JAN 20 07 01Z

P 200250Z  
FM NFIC  
TO DIRNSA

25X1

OF CEN  
YDHAVOC/CINCEUR  
CINCPACFLT  
CINCUSNAVEUP  
FICPAC  
COMNAVFOR JAPAN  
AFSCC  
AFSSO AFSC  
AFSSO PACAF  
AFSSO ACIC  
AFSSO FID  
AFSSO NORTON  
AFSSO ESD  
AFSSO SAMSOC  
AFSSO IFC  
AFSSO USAFE (FOR EFIC)  
AFSSO TAC  
USAFSS  
INFO FICENR  
ZEN

TOP SECRET TTTTTT

CITE NFIC 2788

MISSION 1102 10-22 DEC 67

OAK SUPPL

19 JAN 68

PT 04

## PREFACE

THIS IS THE FOURTH AND FINAL OAK SUPPLEMENT CABLE REPORT ON MISSION 1102 AND PROVIDES INFORMATION ON TARGETS NOT INCLUDED IN THE OAK REPORTS FOR THIS MISSION. THIS REPORT ALSO CONTAINS NON-COMPLEX TARGETS REFLECTING SIGNIFICANT CHANGE, TARGETS WITH SIGNIFICANT ORDER OF BATTLE (OB) INFORMATION, AND TARGETS WHICH ARE EITHER NEWLY IDENTIFIED OR KNOWN BUT REPORTED FOR THE FIRST TIME BY NPIC.

((REMAINDER OF TEXT IDENTICAL TO ABOVE MISSION))

TOP SECRET

END OF MSG

25X1

S/C NOTE - ALSO RELAYED TO

25X1

25X1

Declassification Review by NGA

**TOP SECRET**

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

## SECTION # 81

MISSION 1102 10-22 DEC 67

OAK SUPPL

19 JAN 68

PT 84

## PREFACE

THIS IS THE FOURTH AND FINAL OAK SUPPLEMENT CABLE REPORT ON MISSION 1102 AND PROVIDES INFORMATION ON TARGETS NOT INCLUDED IN THE OAK REPORTS FOR THIS MISSION. THIS REPORT ALSO CONTAINS NON-COMIREX TARGETS REFLECTING SIGNIFICANT CHANGE, TARGETS WITH SIGNIFICANT ORDER OF BATTLE DOB INFORMATION, AND TARGETS WHICH ARE EITHER NEWLY IDENTIFIED OR KNOWN BUT REPORTED FOR THE FIRST TIME BY NPIC. UPON COMPLETION OF THE MISSION READOUT, ALL TARGETS REPORTED IN THESE CABLES WILL BE CONSOLIDATED BY COMIREX TARGET CATEGORY AND PUBLISHED.

TARGETS ARE ARRANGED BY SUBJECT AND WITHIN EACH SUBJECT BY COMIREX TARGET NUMBER. PREVIOUSLY REPORTED NON-COMIREX TARGETS ARE LISTED UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMIREX TARGETS. NEWLY REPORTED TARGETS ARE DESIGNATED AS BONUS TARGETS AND ARE LISTED AFTER THE NON-COMIREX TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE AND THE COORDINATES. SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE LISTED FIRST, FOLLOWED BY THE FRAME NUMBERS. SYMBOLS FOR LIMITING CONDITIONS AFFECTING PHOTOGRAPHY ARE C @CLEAR@, SC @SCATTERED CLOUD COVER@, HC @HEAVY CLOUD COVER@, H @HAZE@, CS @CLOUD SHADOW@, S @SNOW@, O @OBLIQUITY@, SD @SEMI-DARKNESS@, D @DARKNESS@, GC @GROUND COVER@, CF @CAMOUFLAGE@, AND SS @SMALL SCALE@. INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD@, F @FAIR@, OR P @POOR@. THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL@ OR PT @PARTIAL@. THE MODE OF COVERAGE IS INDICATED BY ST @STEREO@, PS @PARTIAL STEREO@, OR NS @NONSTEREO@.

RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY IS ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE ANALYSIS MAY RESULT IN ADDITIONAL INFORMATION. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

## MISSILES

VERKHNYAYA SALDA ICBM COMPLEX UR 5802N 06024E [REDACTED]  
LAUNCH SITES 2-5 AND 7-10 AND THE AUXILIARY SUPPORT FACILITY ARE INTERPRETABLE. LAUNCH SITE 1, THE COMPLEX SUPPORT FACILITY, THE RAIL-TO-ROAD TRANSFER POINT, AND THE [REDACTED] CAN BE IDENTIFIED ONLY. NO SIGNIFICANT ACTIVITY OBSERVED.

25X1

25X1

25X1

TYURATAM LAUNCH GROUP L UR 4603N 06259E [REDACTED]  
ALL 10 SITES ARE INTERPRETABLE. NO SIGNIFICANT CHANGE

25X1

YOSHKAR-OLA ICBM COMPLEX UR 5633N 84801E  
ALL COMPONENTS OF THE COMPLEX ARE INTERPRETABLE,  
INCLUDING THE 18 SINGLE-SILO SITES, THE 6 SS-7 LAUNCH  
SITES, THE COMPLEX SUPPORT FACILITY, AND THE  
RAIL-TO-ROAD TRANSFER POINT. NO EXPANSION IS OBSERVED  
AT THE TRANSFER POINT, AND ONLY A SMALL AMOUNT OF  
STORES IS OBSERVED WITHIN THE COMPLEX SUPPORT FACILITY.  
NO SIGNIFICANT ACTIVITY IS OBSERVED AT THE 6 SS-7  
LAUNCH SITES. THE DIFFERENT CONSTRUCTION TECHNIQUE  
DISPLAYED AT SITES 7 AND 22 MAY INDICATE THAT THESE 2  
SITES WILL BE CONTROL FACILITIES. THE ORIENTATION OF  
THE U-SHAPED EXCAVATION AT SITE 22 DOES NOT CONFORM TO  
KNOWN TYPE IIIC CONSTRUCTION PROCEDURES. THE HEXAGONAL  
FORM IS OBSERVED AT LAUNCH SITES 8-10 AND 12-14. ONLY  
INITIAL CORING IS OBSERVED AT LAUNCH SITES 15, 16, AND  
18-21. VERY EARLY GRADING IS OBSERVED AT LAUNCH SITES  
23-25.

25X1

25X1

SVOBODNY ICBM COMPLEX UR 5146N 12806E [REDACTED]  
ALL COMPONENTS OF THE COMPLEX ARE INTERPRETABLE. SITES  
61M AND 62M ARE CONFIRMED AS VALID LAUNCH SITES. NO  
SIGNIFICANT ACTIVITY OBSERVED.  
ALL LAUNCH SITES IN COMPLETED LAUNCH GROUPS I, J, K,  
AND L ARE OBSERVED.  
LAUNCH GROUP M -- ALL 10 LAUNCH SITES ARE IN THE  
MID-STAGE OF CONSTRUCTION. THERE APPEARS TO BE A LAG  
IN CONSTRUCTION IN THIS GROUP. SITES HAVE PROGRESSED  
VERY LITTLE SINCE [REDACTED]

25X1

25X1

LAUNCH GROUP N -- EIGHT SITES ARE PRESENTLY ASSOCIATED  
WITH THIS GROUP. SITES 67, 68, 69, 75, 76, 79, AND 88  
ARE IN THE MID-STAGE OF CONSTRUCTION. SITE 81 IS IN AN  
UNDETERMINED STAGE OF CONSTRUCTION.  
TRANSFER POINT SITE -- SITE 57X IS IN THE MID-STAGE OF  
CONSTRUCTION.

25X1

**Page Denied**

ZHANGIZ-TOBE ICBM COMPLEX UR 4912N 08109E [REDACTED]

ALL 27 OF THE TYPE IIIC LAUNCH SITES, THE RAIL-TO-ROAD TRANSFER POINT, AND THE COMPLEX SUPPORT FACILITY ARE INTERPRETABLE. HEAVY SNOW IS PRESENT THROUGHOUT THE COMPLEX. HOWEVER, THE ROADS HAVE BEEN CLEARED TO ALL SITES. AT THE COMPLEX SUPPORT FACILITY, NORMAL QUANTITIES OF PREFABRICATED PARTS AND MATERIALS ARE OBSERVED. LAUNCH SITE 4A REMAINS UNDER RECONSTRUCTION. THE SILO DOOR IS CLOSED. HOWEVER, THE SILO LINER HAS NOT YET BEEN INSTALLED.

LAUNCH GROUP A -- ALL 6 SITES 01-6X ARE INTERPRETABLE. LAUNCH SITE 4 IS UNDERGOING RECONSTRUCTION.

LAUNCH GROUP B -- ALL 6 SITES 07-12X ARE INTERPRETABLE.

LAUNCH GROUP C -- ALL 6 COMPLETED SITES 013-18X ARE INTERPRETABLE.

LAUNCH GROUP D -- ALL 6 SITES 019, 20, 21, 23, 24, AND 26X ARE INTERPRETABLE AND REMAIN IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP E -- THE 2 SITES PRESENTLY IDENTIFIED 027 AND 28X ARE INTERPRETABLE AND IN AN EARLY STAGE OF CONSTRUCTION.

TRANSFER POINT SITE 22X IS INTERPRETABLE AND IN A LATE STAGE OF CONSTRUCTION.

[REDACTED]

25X1

25X1

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DOMBAROVSKIY ICBM COMPLEX UR 5101N 05950E [REDACTED]  
ALL 42 KNOWN TYPE IIIC LAUNCH SITES, THE COMPLEX  
SUPPORT FACILITY, AND RAIL-TO-ROAD TRANSFER POINT ARE  
INTERPRETABLE. THIS TOTAL INCLUDES THE IDENTIFICATION  
OF 4 NEW LAUNCH SITES AND THE DELETION OF 1 LAUNCH SITE  
WITHIN LAUNCH GROUP G AS REPORTED ON THE OAK FOR THIS  
MISSION. CONSTRUCTION CONTINUES ON THE NEW BUILDINGS  
WITHIN THE TRANSFER POINT. THE LEVEL OF STORES REMAINS  
HIGH IN THE DISTRIBUTION POINT AND THE RAILHEAD STORAGE  
AREA. NO SIGNIFICANT ACTIVITY OBSERVED WITHIN  
COMPLETED LAUNCH GROUPS A, B, C, AND D.  
DETAILED DATA AND CONSTRUCTION STATUS OF INTERPRETABLE  
LAUNCH SITES --  
LAUNCH GROUP E -- LAUNCH SITES 28E AND 31E ARE IN LATE  
STAGES OF CONSTRUCTION. CONSTRUCTION CONTINUES ON THE  
CONTROL FACILITY AT LAUNCH SITE 31E. THE OTHER 4 SITES  
029E, 30E, 32E, AND 34E ARE ALL IN THE MID-STAGE OF  
CONSTRUCTION WITH SILO LINERS OBSERVED ON THE  
RECTANGULAR MOUNDS.  
LAUNCH GROUP F -- ALL 6 SITES 035F-40F ARE IN THE  
MID-STAGE OF CONSTRUCTION. CONSTRUCTION CONTINUES ON  
THE CONTROL FACILITY AT LAUNCH SITE 37F.  
LAUNCH GROUP G -- ONLY 5 SITES ARE CURRENTLY ASSOCIATED  
WITH THIS GROUP. LAUNCH SITE 42G IS IN THE EARLY STAGE

#### SECTION # 07

OF CONSTRUCTION. LAUNCH SITES 43G, 44G, PROBABLY 45G,  
AND PROBABLY 46G ARE ALL IN AN UNDETERMINED STAGE OF  
CONSTRUCTION. SCARRING ACTIVITY MAY INDICATE THE SIXTH  
LAUNCH SITE OF THIS GROUP WILL BE LOCATED WEST OF  
LAUNCH SITE 44G.

25X1

25X1

**Page Denied**

KARTALY ICBM COMPLEX UR 5302N 06034E [REDACTED]  
ALL COMPONENTS OF THE COMPLEX ARE COVERED ON  
PHOTOGRAPHY. NO NEW MISSILE FACILITIES OBSERVED IN THE  
50-NM SEARCH AREA.  
LAUNCH GROUPS A, B, AND C -- NO SIGNIFICANT ACTIVITY  
OBSERVED.  
LAUNCH GROUP D -- ALL SITES REMAIN IN THE MID-STAGE OF  
CONSTRUCTION.  
LAUNCH GROUP E -- LAUNCH SITES 31, 32, 34, AND 36  
REMAIN IN THE MID-STAGE OF CONSTRUCTION. SITES 37 AND  
38 REMAIN IN THE EARLY STAGE.  
PROBABLE DUMMY SITES A AND B -- NO ACTIVITY OBSERVED.  
LAUNCH SITE 27X IS IN AN UNDETERMINED STAGE OF  
CONSTRUCTION.  
NO SIGNIFICANT ACTIVITY IS OBSERVED AT THE COMPLEX  
SUPPORT FACILITY OR RAIL-TO-ROAD TRANSFER POINT.

25X1

25X1

SVERDLOVSK SAM COMPLEX B05-5 UR 5704N 06101E [REDACTED]  
THIS IS THE FIRST COVERAGE OF THE COMPLEX SINCE MISSION [REDACTED]

25X1

25X1

A PROBABLE LAUNCHER IS LOCATED AT LAUNCH POSITION B5. THE PRESENCE OF LAUNCHERS AND DOLLIES AT THE REMAINING LAUNCH POSITIONS AT SITES B AND C CANNOT BE DETERMINED DUE TO SMALL SCALE, SHADOW, AND DARKNESS. A NEW BORROW PIT IS LOCATED BETWEEN SITES A AND C. THREE RADARS ARE ON MOUNDS AT THE TRACKING/GUIDANCE FACILITY ONLY 2 RADARS WERE OBSERVED PREVIOUSLY.

TWO BUILDINGS PREVIOUSLY UNDER CONSTRUCTION IN THE SUPPORT AREA NOW APPEAR COMPLETE OR NEARLY COMPLETE. ONE SINGLE-STORY BUILDING HAS BEEN REMOVED FROM THE CONSTRUCTION SUPPORT AREA IMMEDIATELY OUTSIDE THE SECURITY FENCE AND ALONG THE COMPLEX ACCESS ROAD. THE ONLY SNOW REMOVAL DISCERNIBLE AT THE COMPLEX IS ALONG A ROAD CONNECTING 3 SUPPORT BUILDINGS.

THE SUPERSTRUCTURE OF 1 DRIVE-THROUGH BUILDING IS OBSERVED AT THE MISSILE-HANDLING FACILITY.

25X1

ANGARSK SAM COMPLEX B03-5 UR 5242N 10402E [REDACTED]  
THE FOLLOWING CHANGES OR ADDITIONS ARE NEWLY OBSERVED  
AT THE COMPLEX SINCE [REDACTED] REVETMENTS  
ARE UNDER CONSTRUCTION AT 2 LAUNCH POSITIONS OF SITE A,  
3 OF SITE B, AND 4 OF SITE C. A CABLE SCAR EXTENDS  
FROM LAUNCH POSITIONS B-5 AND B-6 AND THE 6 POSITIONS  
AT SITE C TOWARD THE RESPECTIVE SITE CONTROL CENTER.  
TREE CLEARANCE IS COMPLETE AT SITE C AND PARTIALLY  
COMPLETE AT SITE B. TREES REMAIN WITHIN THE PERIMETER  
OF SITE A. AT THE TRACKING/GUIDANCE FACILITY, THE  
RADAR MOUNDS ARE PROBABLY OCCUPIED BY ENGAGEMENT  
RADARS. A CONSTRUCTION AREA IS NOTED ADJACENT TO THE  
EASTERNMOST RADAR MOUND. TWO RECTANGULAR CLEARINGS ARE  
NEWLY OBSERVED ALONG THE EASTERN LEG OF THE PARALLEL  
ROADS OF THE MISSILE HANDLING FACILITY. A BUILDING IS  
UNDER CONSTRUCTION IN THE PREVIOUSLY REPORTED  
CONSTRUCTION AREA EAST OF THE FACILITY. A DITCH  
EXTENDS FROM THIS BUILDING TOWARD THE SUPPORT FACILITY  
NORTH OF SITE A. NO MISSILES ARE OBSERVED AT THE  
COMPLEX. AT THE AIR WARNING RADAR FACILITY, THE 4  
RADAR MOUNDS ARE PROBABLY OCCUPIED BY 2 BACK NET AND 2  
SIDE NET RADARS. A NUMBER OF VANS/PIECES OF EQUIPMENT  
ARE IN THE CENTRAL PARKING AREA.

25X1

25X1

[REDACTED]  
CHELYABINSK SAM COMPLEX B05-5 UR 5523N 06149E [REDACTED]  
NO SIGNIFICANT CONSTRUCTION CHANGES ARE OBSERVED AT THE  
COMPLEX SINCE [REDACTED] NO MISSILES OR

25X1

25X1

25X1

## SECTION # 10

MISSILE-RELATED EQUIPMENT ARE IDENTIFIED AT THE  
COMPLEX. AN AIR WARNING RADAR FACILITY IS NEWLY  
IDENTIFIED APPROXIMATELY 3.2 NM SW OF THE COMPLEX.  
ACTIVITY IS FIRST OBSERVED AT THE FACILITY ON MISSION  
[REDACTED] THIS SECURED FACILITY NOW CONSISTS  
OF 4 OCCUPIED RADAR MOUNDS AND A CONTROL BUILDING.

25X1

[REDACTED]  
VLADIVOSTOK SAM COMPLEX B34-5 UR 4323N 13142E [REDACTED]  
THE COMPLEX IS STILL IN EARLY STAGES OF CONSTRUCTION  
WITH WORK PROGRESSING SINCE [REDACTED]  
IN THE LAUNCH AREA, LAUNCH SITE A APPEARS TO BE IN THE  
MOST ADVANCED STAGE OF CONSTRUCTION WITH 2 REVETMENTS  
AT LAUNCH POSITIONS A-1, A-5, AND A-6. DUE TO THE  
RUGGED TERRAIN, THERE IS EXTENSIVE CUTTING AND FILLING  
TO BRING THE LAUNCH SITES ONTO A LEVEL PLANE. A BUNKER  
IS UNDER CONSTRUCTION AT SITE A CONTROL CENTER. ONLY  
CLEARING AND INITIAL GRADING HAVE OCCURRED AT THE  
TRACKING/GUIDANCE FACILITY. IN THE COMPLEX SUPPORT AND  
MISSILE HANDLING FACILITY, CLEARING FOR THE PARALLEL  
ROAD FOR THE MISSILE-HANDLING FACILITY IS COMPLETE.  
FOUR BUILDINGS OF A POSSIBLE COMPLEX SUPPORT FACILITY  
ARE LOCATED ADJACENT TO THE COMPLEX ACCESS ROAD. SOME  
COMPLEX ROADS APPEAR TO HAVE BEEN SURFACED. IT CAN BE  
ASCERTAINED FROM THIS MISSION THAT THE COMPLEX IS  
SECURED.  
NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1  
25X1

25X1

[REDACTED]  
IRKUTSK SAM SUPPORT FACILITY 1 UR 5224N 10358E NO COMRX  
A NEW UKRAINA-TYPE REVETMENT IN THE MID-STAGE OF  
CONSTRUCTION IS IMMEDIATELY NW OF THE SUPPORT FACILITY.

25X1

25X1

THANH HOA PROBABLE SAM SITE 0256N 10533E NO COMRX  
NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW  
CONSTRUCTION, CHANGE IN FACILITIES, OR PREVIOUSLY  
UNREPORTED FEATURES OBSERVED.

SAN-YUAN SAM TRAINING AREA CH 3440N 10859E NO COMRX  
ALL 12 LAUNCH POSITIONS ARE OCCUPIED. BOTH GUIDANCE  
AREAS CONTAIN L-SHAPED BUILDINGS AND UNIDENTIFIED  
OBJECTS.

AL ISKANDARIYAH SAM SITE A20-2 E6 3106N 02952E NO COMRX  
THE 6 LAUNCH POSITIONS AND CENTRAL GUIDANCE AREA ARE  
OCCUPIED. THE 3 MISSILE-HOLD POSITIONS ARE COVERED.  
TWO BUILDINGS AND 5 TENTS ARE OBSERVED.  
SIX EMPLACED LAUNCHERS, A PROBABLE CENTRAL GUIDANCE  
RADAR, 1 MISSILE TRANSPORTER, AND 4 OTHER VEHICLES ARE  
OBSERVED.

ULAAN BAATAR SAM SITE B13-2 M6 4745N 10714E NO COMRX  
THE CONFIGURATION OF THE SITE IS STILL UNDETERMINED DUE  
TO SNOW COVER. FOUR OF THE REVETTED LAUNCH POSITIONS  
AND THE CENTRAL GUIDANCE AREA ARE OCCUPIED. OCCUPANCY  
OF THE OTHER 2 LAUNCH POSITIONS IS UNDETERMINED. TWO  
MISSILE-HOLD POSITIONS ARE OBSERVED AND BOTH ARE  
PROBABLY OCCUPIED. NUMEROUS VEHICLES/PIECES OF  
EQUIPMENT ARE OBSERVED AT THE ADJACENT SUPPORT AREA.

HUNGDOGI-DONG SAM SITE C22-2 KN 3928N 12716E NO COMRX  
FIVE OF THE 6 LAUNCH POSITIONS ARE OCCUPIED BY  
UNIDENTIFIED PIECES OF EQUIPMENT AND 1 IS OF  
UNDETERMINED OCCUPANCY.

AL ISMAILIYAH SAM SITE A28-2 E6 3037N 03203E BONUS 2  
11 NM WNW OF AL ISMAILIYAH AT 30-37-40N 032-03-50E.  
NEWLY OBSERVED SA-2 SAM SITE CONSISTS OF 6 REVETTED  
LAUNCH POSITIONS, 4 OCCUPIED BY PROBABLE LAUNCHERS AND  
2 OCCUPIED BY UNIDENTIFIED OBJECTS. A GUIDANCE AREA IS  
REVVETTED AND OCCUPIED BY A RADAR AND A STRUCTURE.  
THERE ARE 3 REVETTED, COVERED MISSILE-HOLD POSITIONS.

#### AIR FACILITIES

WU-KUNG AIRFIELD CH 3416N 10815E  
OB -- 12 BULL, 6 PROBABLE BEAGLE, 1 PROBABLE  
COOT, 2 CRATE, 1 CAB, 2 SMALL SWEEP-WING, AND 1  
PROBABLE SMALL STRAIGHT-WING.  
-- 12 BULL, 2 COOT, 6 PROBABLE BEAGLE, 2 LIGHT

#### SECTION # 11

STRAIGHT-WING, AND 6 PROBABLE SMALL AIRCRAFT.  
NO EVIDENCE OF A NUCLEAR STORAGE SITE OBSERVED.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

SVERDLOVSK/KOLTSOVO AIRFIELD UR 5644N 06048E  
OB -- 7 PROBABLE COOT, 3 CAT/CUB/CAMP, 3 MEDIUM  
SWEEP-WING, 2 SMALL SWEEP/DELTA-WING, 1 POSSIBLE MEDIUM  
STRAIGHT-WING, AND 5 LIGHT STRAIGHT-WING.  
CONSTRUCTION STATUS OF THE PARKING APRON IS  
UNDETERMINED DUE TO SNOW COVER.

OB -- [ ] -- 1 COBY, 1 CAT/COB, 23 SMALL  
SWEEP/DELTA-WING, 6 LIGHT STRAIGHT-WING, AND 12 SMALL  
STRAIGHT-WING.

[ ] -- AT LEAST 6 PROBABLE SMALL SWEEP/DELTA-WING, AT  
LEAST 2 LIGHT STRAIGHT-WING, AT LEAST 10 SMALL  
STRAIGHT-WING, AND AT LEAST 15 SMALL AIRCRAFT.  
A SECOND AIR WARNING RADAR SITE CONSISTING OF 2 MOUNDS  
IS 1,600 FT NW OF THE INTERSECTION OF THE 2 RUNWAYS. A  
THIRD AIR WARNING RADAR SITE CONSISTING OF 2 MOUNDS AND  
4 VEHICLE REVETMENTS IS 3,000 FT ENE OF THE  
INTERSECTION OF THE 2 RUNWAYS.

[ ]  
BAI THUONG AIRFIELD VN 1954N 10528E [ ]

OB -- NONE OBSERVED.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

[ ]  
KUNG-KA AIRFIELD TI 2917N 09055E [ ]

OB -- NONE OBSERVED.  
FOUR ADDITIONAL AIRCRAFT REVETMENTS HAVE BEEN  
CONSTRUCTED. CONSTRUCTION CONTINUES ON THE SUPPORT  
FACILITIES.

[ ]  
ULAN-UDE AIRFIELD EAST UR 5150N 10743E NO COMRX  
OB -- 3 LIGHT STRAIGHT-WING.

[ ]  
YOSHKAR-OLA/KUZNETSOVO AIRFIELD UR 5642N 04804E NO COMRX  
6.5 NM NE OF YOSHKAR-OLA.  
APPROXIMATELY 2,000 X 400-FT PROBABLY SERVICEABLE  
GRADED-EARTH RUNWAY.  
OB -- NONE OBSERVED.

[ ]  
KUANG-HUA AIRFIELD NEW CH 3223N 11141E NO COMRX  
1.5 NM EAST OF KUANG-HUA.  
7,830 X 150-FT N/S SERVICEABLE CONCRETE RUNWAY. OTHER  
FACILITIES, IN LATE STAGES OF CONSTRUCTION, INCLUDE A  
PARALLEL TAXIWAY WITH 2 END-CONNECTING AND 4 CROSSOVER  
LINKS AND 2 ALERT AND 3 PARKING APRONS. A  
CONSTRUCTION/SUPPORT CAMP CONTAINING 45 BUILDINGS IS ON  
THE ABANDONED KUANG-HUA AIRFIELD [ ] AND  
15 CONSTRUCTION BUILDINGS ARE ALONG THE WEST EDGE OF  
THE RUNWAY. SUPPORT FACILITIES ON THE EAST SIDE OF THE  
AIRFIELD CONSIST OF 62 SUPPORT BUILDINGS AND A POL  
STORAGE AREA WITH 4 VERTICAL POL TANKS UNDER  
CONSTRUCTION AND 6 SUPPORT BUILDINGS.  
OB -- NONE OBSERVED.

[ ]  
YUN-CHENG AIRFIELD NORTHWEST CH 3502N 11057E NO COMRX  
OB -- 36 SMALL STRAIGHT-WING.

[ ]  
KUANG-CHOU/TIEN-HO SATELLITE AIRFIELD CH 2309N 11322E NO COMRX  
5 NM NE OF KUANG-CHOU.  
4,900 X 155-FT NW/SE RUNWAY HAS BEEN REPAVED. A  
PARKING APRON WITH 2 END-CONNECTING LINK TAXIWAYS, AT  
LEAST 7 HELICOPTER PADS WITH CONNECTING TAXIWAYS, AND  
SUPPORT FACILITIES HAVE BEEN CONSTRUCTED TO THE NE.  
OB -- 8 SMALL STRAIGHT-WING.

[ ]  
YUNG-CHI AIRFIELD CH 3452N 11022E NO COMRX  
3.5 NM NE OF YUNG-CHI.  
FORMER NE/SW RUNWAY BEING REPAVED AND EXTENDED TO  
THE SW FOR A TOTAL LENGTH OF 7,860 FT AND WIDTH OF 155  
FT. A PARALLEL TAXIWAY, 2 END-CONNECTING LINK

## SECTION # 12

TAXIWAYS, EACH WITH AN ALERT APRON, 4 CROSSOVER LINK TAXIWAYS, 3 PARKING APRONS, A FIRING-IN BUTT, AND A SUPPORT AREA ARE UNDER CONSTRUCTION TO THE SE.  
OB -- NONE OBSERVED.

25X1

ABU AL MATAMIR AIRFIELD EG 3849N 83811E NO COMRX  
OB -- NONE OBSERVED.

CONSTRUCTION IS COMPLETE ON THE 18,358 X 148-FT NW/SE SERVICEABLE BLACKTOP RUNWAY, WITH A PARALLEL TAXIWAY AND 2 END-CONNECTING AND 4 CROSSOVER LINKS. A DISPERSAL AREA WITH AT LEAST 8 HANGARETTES IS JUST NORTH OF THE NW END OF THE RUNWAY. ANOTHER DISPERSAL AREA JUST NORTH OF THE SE END OF THE RUNWAY CONTAINS 4 HANGARETTES. CONSTRUCTION CONTINUES ON THE SUPPORT AREAS.

THE NE/SW GRADED-EARTH RUNWAY REPORTED ON [REDACTED]  
[REDACTED] NOW APPEARS TO BE A CANAL UNDER CONSTRUCTION.

25X1  
25X1  
25X1

CHANGJIN-UP AIRFIELD KN 4821N 12715E NO COMRX  
8.8 NM SE OF CHANGJIN.

8,878 X 218-FT NW/SE HARD SURFACE RUNWAY PROBABLY CONCRETE. OTHER FACILITIES INCLUDE A PARALLEL TAXIWAY, 2 CROSSOVER LINKS, 2 END-CONNECTING LINKS, A PARKING APRON AT THE SOUTH END OF THE TAXIWAY, AND WORKERS HOUSING ADJACENT TO AND 8.5 NM NORTH OF THE AIRFIELD. THE RUNWAY AND TAXIWAY ARE IN VERY LATE STAGES OF CONSTRUCTION.

OB -- NONE OBSERVED.

25X1

NALAYHA AIRFIELD MG 4744N 18728E NO COMRX  
OB -- NONE OBSERVED.

THE AIRFIELD REMAINS UNDER CONSTRUCTION. THE VISIBLE PORTION OF THE RUNWAY MEASURES 11,738 X 455 FT. HOWEVER, SNOW COVER PRECLUDES DEFINITE IDENTIFICATION OF THE ENDS OF THE RUNWAY. A POSSIBLE PARALLEL TAXIWAY IS UNDER CONSTRUCTION ALONG THE NORTHERN SIDE OF THE RUNWAY. A SMALL HOUSING AND SUPPORT AREA IS NORTH OF THE RUNWAY.

25X1

KAMARAN ISLAND AIRFIELD AD 1521N 84236E BONUS 1  
1.5 NM NORTH OF KAMARAN.  
6,355 X 238-FT NW/SE SERVICEABLE PROBABLE CORAL RUNWAY.  
OB -- NONE OBSERVED.

25X1

AS SALIF AIRFIELD YE 1518N 84241E BONUS 2  
0.9 NM EAST OF AS SALIF. 6,288 X 688-FT N/S SERVICEABLE SAND LANDING AREA. FACILITIES INCLUDE 1 SMALL BUILDING AND A SHED.  
OB -- NONE OBSERVED.

25X1

AL MAHARIQ AIRFIELD EG 2538N 83841E BONUS 3  
8.4 NM NE OF AL MAHARIQ. 4,888 X 158-FT NE/SW SERVICEABLE SAND RUNWAY.  
OB -- 8 PROBABLE CRATE.

25X1

AL JAWF AIRFIELD LY 2412N 82319E BONUS 4  
2 NM ESE OF AL JAWF.  
APPROXIMATELY 6,888 X 258-FT NW/SE SERVICEABLE SAND RUNWAY.  
OB -- NONE OBSERVED.

25X1



APPROXIMATELY 11,400 X 325-FT NW/SE SERVICEABLE  
GRADED-EARTH RUNWAY WITH A PARALLEL TAXIWAY AND 4  
CROSSOVER LINKS; NO SUPPORT FACILITIES OBSERVED. THE  
AIRFIELD IS PARTIALLY SNOW COVERED. GRADING ACTIVITY,  
POSSIBLY ASSOCIATED WITH THE AIRFIELD, IS OBSERVED  
AROUND A SMALL KNOLL IMMEDIATELY SE OF THE AIRFIELD.  
THE AIRFIELD CAN BE NEGATED ON [REDACTED]

25X1

[REDACTED]  
OB -- NONE OBSERVED.

25X1

25X1

[REDACTED]  
SUMBER SUMA AIRFIELD MG 4624N 10841E BONUS 6  
3.5 NM SSW OF SUMBER SUMA.  
APPROXIMATELY 11,800 X 400-FT NW/SE SERVICEABLE  
GRADED-EARTH RUNWAY WITH A PARALLEL TAXIWAY, 4  
CROSSOVER LINKS, AND A PARKING APRON. NO SUPPORT

SECTION # 13

FACILITIES OBSERVED. THE AIRFIELD CAN BE NEGATED ON  
[REDACTED]

25X1

OB -- NONE OBSERVED.

25X1

[REDACTED]  
CHASAN PROBABLE AIRFIELD KN 3919N 12554E BONUS 7  
2.2 NM SOUTH OF CHASAN.  
8,635 X 95-FT NE/SW SERVICEABLE GRADED-EARTH OR CRUSHED  
ROCK RUNWAY.  
OB -- NONE OBSERVED.

25X1

25X1

## NAVAL ACTIVITY/PORTS

WU-CHOU SHIPYARD HSI CHIANG CH 2328N 11128E [REDACTED]  
 VESSELS -- 2 UNIDENTIFIED VESSELS ON WAYS AND SEVERAL  
 UNIDENTIFIED VESSELS IN WATER.  
 FACILITIES INCLUDE A DUAL PURPOSE SHIP HANDLING SYSTEM  
 WHICH CAN FUNCTION EITHER AS 2 END-HAUL MARINE RAILWAYS  
 OR AS A SIDE LAUNCHWAY, A TRANSVERSER, 3 BUILDING WAYS,  
 1 END-HAUL MARINE RAILWAY LEADING TO A BOATSHED, AN

25X1

## SECTION # 14

UNDETERMINED NUMBER OF SMALL FLOATING WHARVES, A WINCH  
 HOUSE AT THE HEAD OF THE MAIN WAY, 3 SHOP/FABRICATION  
 BUILDINGS, APPROXIMATELY 18 SMALLER SHOPS, AND 30  
 STORAGE/SUPPORT BUILDINGS.

25X1

## ELECTRONICS/COMMUNICATIONS

TYURATAM ESV TRACKING FACILITY UR 4554N 06320E [REDACTED]  
 NO APPARENT CHANGE OBSERVED SINCE [REDACTED]  
 [REDACTED] WHEN THIS FACILITY WAS IDENTIFIED AS A SEPARATELY  
 SECURED AREA IN LAUNCH COMPLEX A. THIS FACILITY  
 PROBABLY SUPPORTS ALL RANGE LAUNCHES AND IS NOT  
 SPECIFICALLY ASSOCIATED WITH LAUNCH COMPLEX A. THE  
 VARIOUS ELECTRONICS EQUIPMENT IS ALONG AN L-SHAPED ROAD  
 PATTERN. THE DIRECTION OF THE VERTICAL LEG OF THE L IS  
 NW/SE. THE BASE OF THE L IS AT THE SE END. A CIRCULAR  
 RECEIVING ANTENNA ARRAY AND A 16-ELEMENT  
 PEDESTAL-MOUNTED HELIX ARRAY WITH ITS SUPPORT BUILDING  
 ARE ALONG THE BASE. THE MIDDLE OF THE VERTICAL LEG OF  
 THE L IS THE LOCATION OF AN ESV FACILITY WHERE, IN  
 ADDITION TO THE 2 BUILDINGS WITH 50-FT DOMES, THERE ARE  
 3 SUPPORT BUILDINGS AND A SELF-SUPPORTING LATTICE  
 TOWER.  
 THE NW END OF THE TRACKING FACILITY IS A CLOSELY SPACED  
 GROUP OF TELEMETRY ANTENNAS, COMMUNICATIONS ANTENNAS,  
 TRACKING DEVICES, ELECTRONICS SUPPORT BUILDINGS, AND

25X1

25X1

25X1

OVERALL SUPPORT BUILDINGS SUCH AS A HEATING AND POWERPLANT, A MOTOR POOL, RECREATION FACILITIES, AND SECURITY SHACKS. IMPORTANT ELECTRONICS EQUIPMENT IN THIS AREA INCLUDES A 16-ELEMENT PEDESTAL-MOUNTED HELIX ARRAY, 2 LARGE PEDESTAL-MOUNTED 5-ELEMENT HELIX ARRAYS, 4 LARGE MATTRESS HELIX ARRAYS WITH A MINIMUM OF 16 ELEMENTS, 1 RADAR A, 1 OPTICAL TRACKING POSITION, 3 PROBABLE MERCURY PLATE MICROWAVE TOWERS WITH ASSOCIATED VANS AND EQUIPMENT, 1 RADAR C POSSIBLE SHIP WHEEL/FIRE WHEEL, SEVERAL ROOF-MOUNTED ANTENNAS, 5 PEDESTAL-MOUNTED PIECES OF ELECTRONICS EQUIPMENT, AND 3 VAN-MOUNTED ANTENNAS.

ANGARSK HF COMMUNICATIONS FACILITY SW UR 5226N 10341E NO COMRX  
IN ADDITION TO THE 2 PREVIOUSLY REPORTED LINEAR ARRAYS THERE ARE 2 CURVED SCARS. ONE SCAR CONTAINS PROBABLE FOOTINGS FOR 6 TOWERS. THESE PROBABLE ARRAYS APPEAR TO BE IN EARLY STAGES OF CONSTRUCTION.

NEI-HSIANG PROB MILITARY INSTALLATION UR 5734N 06052E BONUS 1  
0.5 NM WEST OF NOVOPANSHINO AND 20.2 NM NW OF REZH.  
FACILITY CONSISTS OF 1 GUYED STEEL TOWER SUPPORTING 2 PROBABLE PARABOLIC DISHES AND 1 SMALL SUPPORT BUILDING IN AN ENCLOSED AREA.

VOSKRESENSKOYE AIR WARNING RADAR FACILITY UR 5651N 04524E BONUS 2  
1.4 NM NW OF VOSKRESENSKOYE.  
SECURED FACILITY CONSISTS OF 2 OCCUPIED RADAR MOUNDS, 1 VEHICLE REVETMENT, 1 BUNKER, 4 BUILDINGS, AND 4 UNIDENTIFIED OBJECTS.

POLTAVA AIR WARNING RADAR FACILITY UR 4934N 03431E BONUS 3  
2 NM SW OF POLTAVA.  
SECURED FACILITY CONSISTS OF 2 OCCUPIED RADAR MOUNDS, 4 UNOCCUPIED SLOT REVETMENTS, AND 6 SUPPORT BUILDINGS.

KYBARTAI SUSPECT TELEVISION STATION UR 5439N 02246E BONUS 4  
ADJACENT TO THE NORTHERNMOST EDGE OF KYBARTAI.  
SECURED SUSPECT TELEVISION FACILITY CONSISTS OF 1 BUILDING AND A TALL GUYED MAST/TOWER.

MIRGOROD AIR WARNING RADAR FACILITY UR 4957N 03340E BONUS 5  
2.2 NM ESE OF MIRGOROD.  
SECURED FACILITY CONSISTS OF 1 RANGE AND AZIMUTH RADAR, 1 HEIGHT FINDER RADAR, APPROXIMATELY 13 SLOT REVETMENTS, AND 12 SUPPORT BUILDINGS.

KREMENCHUG AIR WARNING RADAR FACILITY UR 4908N 03328E BONUS 6  
3.2 NM NNE OF KREMENCHUG.  
SECURED FACILITY CONSISTS OF 2 RADAR MOUNDS, 4 SLOT REVETMENTS, AND 1 BUILDING.

KOSH-AGACH TALL KING-AW RADAR FACILITY UR 4958N 08840E BONUS 7  
1.1 NM SE OF KOSH-AGACH.

#### SECTION # 15

FACILITY CONSISTS OF 1 TALL KING ANTENNA, 1 ANTENNA BUILDING, SEVERAL SUPPORT BUILDINGS, AND A HEIGHT FINDER RADAR ON A MOUND. A SUPPORT AREA IS 0.5 NM NW AND CONSISTS OF 6 SUPPORT BUILDINGS.

IBRESI PROB TALL KING-AW RADAR FACILITY UR 5500N 04704E BONUS 8  
1.2 NM EAST OF IBRESI.  
FACILITY CONSISTS OF 1 PROBABLE TALL KING ANTENNA, 1

[REDACTED] 25X1  
BOGUSLAVKA HF COMMUNICATIONS FACILITY UR 4432N 13139E BONUS 9  
4 NM NE OF BOGUSLAVKA.  
SECURED FACILITY CONSISTS OF FOUR 3-2-2-3 FISHBONES, 1  
DOUBLE RHOMBIC, AND 1 PROBABLE LAPICHI-TYPE MF VERTICAL  
RADIATOR UNDER CONSTRUCTION.

[REDACTED] 25X1  
MILITARY ACTIVITY  
GYA PROBABLE MILITARY STORAGE AREA TI 3886N 89589E [REDACTED] 25X1  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.  
NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.  
NO INDICATION OF TROOP OR SUPPLY BUILDUP OBSERVED.

[REDACTED] 25X1  
ARTEM AMMUNITION DEPOT UGLOVOYE DA 1 UR 4319N 13288E [REDACTED] 25X1  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.  
NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

[REDACTED] 25X1  
CHERNYATINO ARMY BARRACKS AL 1 UR 4358N 13127E [REDACTED] 25X1  
OB -- APPROXIMATELY 100 VEHICLES/PIECES OF EQUIPMENT.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

[REDACTED] 25X1  
Khabarovsk ARMY BARRACKS AL 2 UR 4823N 13586E [REDACTED] 25X1  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.  
NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.  
AREA APPEARS OCCUPIED AND ALL PORTIONS APPEAR ACTIVE.

[REDACTED] 25X1  
Khabarovsk DPO Khabarovsk Pervyy DX 1 UR 4829N 13585E [REDACTED] 25X1  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.  
NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.  
AREA APPEARS OCCUPIED AND ALL PORTIONS APPEAR ACTIVE.

[REDACTED] 25X1  
PING-HSIANG/HA NOI RR SEGMENT 4 CH 2202N 10643E [REDACTED] 25X1  
THE ENTIRE RAIL SEGMENT IS COVERED. NO NEW  
CONSTRUCTION, COMMUNICATIONS FACILITIES, MILITARY  
ACTIVITY, OR RAIL TRAFFIC OBSERVED.

[REDACTED] 25X1  
TUNG-HSING ROAD CH 2144N 10888E [REDACTED] 25X1  
THE EASTERN 5-NM SECTION OF THE ROAD SEGMENT AT THE  
REFERENCED COORDINATES IS COVERED ON PHOTOGRAPHY. THE  
SECTION APPEARS SERVICEABLE. NO VEHICLE MAINTENANCE  
FACILITIES OR TRAFFIC RESTRICTIONS OBSERVED.

[REDACTED] 25X1  
SINANSANG-NI ARMY BARRACKS KN 3838N 12743E NO COMRX  
ON THE EASTERN EDGE OF SINANSANG-NI.  
INSTALLATION CONTAINS 75 BARRACKS-TYPE BUILDINGS, 4  
ADMINISTRATION BUILDINGS, 9 LARGE STORAGE BUILDINGS, 4  
PROBABLE VEHICLE SHEDS, AND 20 OTHER SUPPORT BUILDINGS.  
TRACK ACTIVITY AND PROBABLE CAVE ENTRANCES ARE OBSERVED  
IN AN ADJACENT HILL AND VALLEY.

[REDACTED] 25X1  
NEI-HSIANG PROB MILITARY INSTALLATION CH 3383N 11153E BONUS 1  
ON THE SSW EDGE OF NEI-HSIANG.  
THE INSTALLATION CONSISTS OF 2 AREAS. AREA A, AT THE  
SOUTHERN EDGE OF NEI-HSIANG, CONTAINS 20 BARRACKS, 1  
ADMINISTRATION BUILDING, 1 MESSHALL, 1 AUDITORIUM, 2  
STORAGE/SUPPORT BUILDINGS, AND A PARADE FIELD. AREA B:  
200702/09: CIA-RDP80-04549A000600010034-8

AT THE SW EDGE OF NEI-HSIANG, CONTAINS 20 BARRACKS, 1  
ADMINISTRATION BUILDING, 1 PROBABLE MESSHALL, 3  
STORAGE/SUPPORT BUILDINGS, AND A PARADE FIELD.

25X1

CHANG-CHIA-KOU PROB BALLIST/WPNS TEST FAC CH 4040N 11457E BONUS 2

SECTION # 16

9.5 NM SSE OF CHANG-CHIA-KOU.  
INSTALLATION, APPARENTLY IN THE LATE STAGE OF  
CONSTRUCTION, CONTAINS 3 PROBABLE TEST RANGES AND 3  
EARTH-MOUNDED STORAGE BUILDINGS. A SECURED SUPPORT  
AREA CONTAINING APPROXIMATELY 10 BUILDINGS IS NW OF THE  
TEST AREA.

25X1

TUNG-KUAN PROB WEAPONS TEST FACILITY CH 3434N 10958E BONUS 3  
16.2 NM WSW OF TUNG-KUAN.

INSTALLATION CONSISTS OF 5 POSSIBLE TEST RANGES OF  
VARYING LENGTHS, 1 WITH A LARGE PROBABLE EARTH-MOUNDED  
BUILDING AT ITS EAST END. AN IRREGULAR ROAD PATTERN  
IMMEDIATELY NORTH OF THE POSSIBLE RANGES CONNECTS  
SEVERAL POSSIBLE SMALL TEST POINTS. A SECURED SUPPORT  
AREA IMMEDIATELY WEST CONTAINS 16 BUILDINGS. FOUR  
BUILDINGS ARE IN A SMALL COMPOUND A SHORT DISTANCE WEST  
OF THE MAIN SUPPORT AREA.

25X1

COMPLEXES

CHI-CHI-HA-ERH COMPLEX CH 4720N 12357E  
SMOKE IS RISING FROM THE RAIL YARD. RAIL TRAFFIC IS  
MODERATE AND INDUSTRIAL ACTIVITY IS LIGHT.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

FU-SHUN COMPLEX CH 4152N 12353E  
THE STEEL PLANT, POWERPLANTS, ALUMINUM PLANT, AND SHALE  
OIL PLANTS ARE EMITTING SMOKE. THE RAIL CLASSIFICATION  
YARDS ARE APPROXIMATELY 30 PERCENT FILLED.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1  
25X1

PAI-YIN COPPER SMELTER AND REFINERY PLANT CH 3633N 10412E  
THE LEVEL OF ACTIVITY IS UNDETERMINED.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1  
25X1

CHIU-CHUAN COMPLEX CH 3946N 09834E  
THE LEVEL OF INDUSTRIAL ACTIVITY AT THE SMALL  
INDUSTRIES CANNOT BE DETERMINED DUE TO SMALL SCALE OF  
PHOTOGRAPHY. A PROBABLE INDUSTRIAL COMPLEX IS  
APPROXIMATELY 8.8 NM WNW AT THE URBAN COMPLEX. A  
DETAILED INTERPRETATION IS NOT POSSIBLE DUE TO  
OBLIQUITY AND HEAVY HAZE.

25X1  
25X1

CHIANG-TZU COMPLEX TI 2857N 08938E  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, PREVIOUSLY  
UNREPORTED FEATURES, OR TROOP OR SUPPLY BUILDUP  
OBSERVED WITHIN THE COMPLEX.

25X1  
25X1

HUN-CHUN COMPLEX CH 4252N 13021E  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR  
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1  
25X1

25X1

25X1

MAO-MING SHALE OIL REFINERY CH 2148N 11052E  
14.5 NM SOUTH OF MAO-MING.

25X1

REFINERY CONTAINS A STEAMPLANT, A SHALE PROCESSING SECTION, 1 LONG RETORT BUILDING, A SECOND PROBABLE SHALE CRUSHING AND PROCESSING PLANT WITH A SMALLER PROBABLE RETORT BUILDING, AT LEAST 2 PRIMARY DISTILLATION UNITS, AND 3 OTHER REFINING UNITS. A TOTAL OF 56 MEDIUM AND LARGE VERTICAL STORAGE TANKS, AT LEAST 20 SMALL VERTICAL TANKS, AND 12 LARGE HORIZONTAL TANKS ARE PRESENT IN THE REFINERY AREA. A LARGE OPEN PIT MINE AND A WASTE DISPOSAL PILE ARE NW OF THE REFINERY AREA AND ARE CONNECTED TO IT BY RAIL. THE MAIN HOUSING/SUPPORT AREA IS SE OF THE REFINERY.

25X1

PAI-YANG-HO PETROLEUM REFINERY YU-MEN CH 3949N 89732E  
ON THE WEST EDGE OF PAI-YANG-HO.  
THE REFINERY AREA AND A PORTION OF THE NEARBY OIL FIELD COMPLEX ARE COVERED. THE REFINERY CONSISTS OF AT LEAST 6 SEPARATE PROCESSINGS UNITS WITH ASSOCIATED SUPPORT

25X1

SECTION # 17

FACILITIES. BOTH THE REFINERY AND OIL FIELDS APPEAR ACTIVE. OBLIQUITY AND SMALL SCALE PRECLUDE IDENTIFYING THE TYPE AND SIZE OF EQUIPMENT OBSERVED.

25X1

CHI-CHI-HA-ERH ARMS - AMMO PLANT 127 CH 4719N 12358E  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.  
NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

PAO-TOU ARTILLERY PLANT 447 CH 4841N 10953E  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.  
NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

25X1

CHING-SHUI-PAO RR STATION AND YARDS CH 3921N 89981E  
SEVERAL RAIL CARS ARE OBSERVED. SMALL SCALE PRECLUDES A MORE DETAILED INTERPRETATION.

25X1

25X1

NAN-NING RR STATION YARDS - SHOPS CH 2249N 10818E  
IN THE NORTHERN PORTION OF NAN-NING.  
INSTALLATION CONSISTS OF A LARGE RAIL YARD WITH PASSENGER AND FREIGHT TERMINALS. A PROBABLE CAR REPAIR FACILITY WITH 2 LARGE SHOP BUILDINGS IS ON A SEPARATE SPUR JUST NORTH OF THE RAIL YARDS. OTHER FACILITIES INCLUDE NUMEROUS WAREHOUSES, A PROBABLE TRANSSHIPMENT AREA, AND A TURNING WYE. THE RAIL YARD IS APPROXIMATELY 50 PERCENT FILLED. SMALL SCALE PRECLUDES FURTHER ANALYSIS.

25X1

25X1

TU-LU-FAN TRANSSHIPMENT POINT CH 4388N 88852E  
SMALL SCALE PRECLUDES IDENTIFICATION OF EQUIPMENT, VEHICLES, AND WEAPONS, OR A COUNT OF ROLLING STOCK. LARGE QUANTITIES OF UNIDENTIFIED MATERIALS ARE OBSERVED IN OPEN STORAGE.  
NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR

25X1

25X1

TUNG-KUAN POL STORAGE PUG CH 3431N 11024E NO COMRX  
7 NM SE OF TUNG-KUAN.

RAIL-SERVED AREA CONTAINS AT LEAST 18 LARGE,  
EARTH-MOUNDED POL STORAGE TANKS DISPERSED THROUGHOUT A  
LARGE RAVINE SOUTH OF THE RAIL SPUR TERMINUS. SIXTEEN  
SMALLER, SEMIBURIED POL STORAGE TANKS, 8 OF THEM UNDER  
CONSTRUCTION, ARE IMMEDIATELY NORTH OF THE RAVINE. THE  
SUPPORT AREA AT THE RAIL SPUR TERMINUS APPEARS TO  
REMAIN UNDER CONSTRUCTION.

25X1

CHU-YANG HYDRO POWERPLANT CH 3845N 11445E NO COMRX  
18 NM NW OF TING-HSIEN.  
FACILITY CONSISTS OF AN EARTH-FILLED DAM, A  
TURBOGENERATOR HALL, A SUBSTATION, A WALL-SECURED  
SUPPORT AREA WITH 10 BUILDINGS, AND SEVERAL OTHER  
SUPPORT BUILDINGS.

25X1

SAN-MEN HSIA HYDRO POWERPLANT CH 3449N 11120E NO COMRX  
CONSTRUCTION APPEARS COMPLETE AND ALL FACILITIES APPEAR  
OPERATIONAL.

25X1

AYN ZALAH POL STORAGE AND PUMPING STATION IQ 3643N 04235E BONUS 6  
2 NM NW OF ABU WAJNAM.  
FACILITIES INCLUDE 3 REVETTED FLOATING-TOP TANKS, 2  
PROBABLE PEAK-ROOFED TANKS, AND 2 SUPPORT BUILDINGS.

25X1

AL HASAKAH PETROLEUM PRODUCTS STORAGE SY 3629N 04045E BONUS 7  
1.5 NM SOUTH OF AL HASAKAH.  
FACILITY INCLUDES 7 LARGE PROBABLE SPHERICAL STORAGE  
TANKS, A VEHICLE PARKING AREA WITH A PERIMETER ROAD,  
AND 2 ASSOCIATED BUILDINGS.

25X1

TOLSTYY MYS STORAGE FACILITY UR 5338N 10035E BONUS 8  
40 NM WNW OF TOLSTYY MYS.  
DOUBLY SECURED FACILITY CONTAINS 42 SMALL STORAGE  
BUILDINGS AND APPROXIMATELY 6 GENERAL SUPPORT  
BUILDINGS.

25X1

TUNG-CHUAN MINING COMPLEX CH 3504N 10904E BONUS 9

## SECTION # 18

ON THE SOUTH EDGE OF TUNG-CHUAN.  
LARGE, RAIL-SERVED MINING COMPLEX EXTENDS FROM SOUTH OF  
TUNG-CHUAN TO APPROXIMATELY 15 NM EAST OF IT. THE  
COMPLEX INCLUDES AT LEAST 10 SEPARATE MINES, SEVERAL  
WITH ASSOCIATED PROBABLE COAL DRESSING PLANTS. THE  
MAIN SUPPORT AREA, IMMEDIATELY SOUTH OF TUNG-CHUAN,  
CONTAINS TRANSSHIPMENT AREAS, SMALL FABRICATION PLANTS,  
POL STORAGE, AND A BUILT-UP AREA OF APPROXIMATELY 1  
SQUARE NM.

25X1

HSI-AN EXPLOSIVES STORAGE AREA CH 3421N 10846E BONUS 10  
9.5 NM NW OF THE CENTER OF HSI-AN.  
RAIL-SERVED AREA IS SECURED BY A HIGH WALL AND CONTAINS  
3 SMALL HEAVILY REVETTED STORAGE BUILDINGS EACH WITH  
AN OFF-LOADING RAMP, 2 WALL-SECURED STORAGE/SUPPORT  
BUILDINGS, AND 4 PROBABLE GUARD TOWERS.

25X1

PYONGYANG STORAGE AREA KN 3908N 12549E BONUS 11  
8.7 NM NE OF PYONGYANG.

SECURED INSTALLATION CONTAINS 39 LARGE STORAGE  
BUILDINGS, A PROBABLE ADMINISTRATION BUILDING, AND 1  
PROBABLE SUPPORT BUILDING.

25X1

TU-MO-TE-CHI STORAGE AREA CH 4035N 11032E BONUS 12  
3 NM NE OF TU-MO-TE-CHI.  
RAIL-SERVED, WALL-SECURED AREA CONTAINS 15 LARGE  
STORAGE BUILDINGS, 18 BARRACKS-TYPE BUILDINGS, 1  
ADMINISTRATION BUILDING, AND 4 SMALL SUPPORT BUILDINGS.

25X1